



AT-FS709FC

*10/100 Fast Ethernet Unmanaged
Switch*

Installation Guide

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960 Stewart Drive Suite B, Sunnyvale CA 94086, USA

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Safety Warnings

STANDARDS: This product meets the following standards.

U.S. Federal Communications Commission

DECLARATION OF CONFORMITY

Manufacture Name:

Allied Telesyn International, Corp.

Manufacture Address:

960 Stewart Drive, Suite B
Sunnyvale, CA 94086 USA

Manufacture Telephone:

408-730-0950

Declares that the product:

Fast Ethernet Unmanaged Switch

Model Number:

AT-FS709FC

This product complies with FCC Part 15B, Class B Limits:
This device complies with part 15 of the FCC Rules. Operation is subject to the following
reasonable conditions: (1) This device must not cause harmful interference, and (2) this device
must accept any interference received, including interference that may cause undesired
operation.

RADIATED ENERGY

Note: This equipment has been tested and found to comply with the limits for a Class B
digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide
reasonable protection against harmful interference in a residential installation. This
equipment generates, uses and can radiate radio frequency energy and, if not installed
and used in accordance with instructions, may cause harmful interference to radio or
television reception, which can be determined by turning the equipment off and on. The
user is encouraged to try to correct the interference by one or more of the following
measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and the receiver.

- Connect the equipment into an outlet on a circuit different from that to which
the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of
this equipment can void your authority to operate this equipment under Federal
Communications Commission rules.

Canadian Department of Communications

This Class B digital apparatus meets all requirements of the Canadian Interference-
Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le
matériel brouilleur du Canada.

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WARNING: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

IMPORTANT: Appendix A contains translated safety statements for installing this equipment. Go to Appendix A for the translated safety statement in your language.

WICHTIG: Anhang A enthält übersetzte Sicherheitshinweise für die Installation dieses Geräts. Schlagen Sie in Anhang A den übersetzten Sicherheitshinweis in Ihrer Sprache nach.

VIGTIGT: Tillæg A indeholder oversatte sikkerhedsadvarsler, der vedrører installation af dette udstyr. Skal De slå op i tillæg A og finde de oversatte sikkerhedsadvarsler i Deres eget sprog.

BELANGRIJK: Appendix A bevat vertaalde veiligheidsopmerkingen voor het installeren van deze apparatuur. Raadpleeg Appendix A voor vertaalde veiligheidsinstructies in uw taal.

IMPORTANT: L'annexe A contient les instructions de sécurité relatives à l'installation de cet équipement. Reportez-vous à l'annexe A pour consulter la traduction de ces instructions dans votre langue.

TÄRKEÄÄ: Liite A sisältää tämän laitteen asentamiseen liittyvät käännetyt turvaohjeet. Katso käännettyä turvaohjetta liitteestä A.

IMPORTANTE: L'Appendice A contiene avvisi di sicurezza tradotti per l'installazione di questa apparecchiatura. Indica di consultare l'Appendice A per l'avviso di sicurezza nella propria lingua.

VIKTIG: Tillegg A inneholder oversatt sikkerhetsinformasjon for installering av dette utstyret. åpner du til Tillegg A for å finne den oversatte sikkerhetsinformasjonen på ønsket språk.

IMPORTANTE: O Anexo A contém advertências de segurança traduzidas para instalar este equipamento. Leia a advertência de segurança traduzida no seu idioma no Anexo A.

IMPORTANTE: El Apéndice A contiene mensajes de seguridad traducidos para la instalación de este equipo. Vaya al Apéndice A para ver el mensaje de seguridad traducido a su idioma.

OBS! Bilaga A innehåller översatta säkerhetsmeddelanden avseende installationen av denna utrustning. Skall du gå till Bilaga A för att läsa det översatta säkerhetsmeddelandet på ditt språk.

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Chapter 1

Product Description

Overview

The AT-FS709FC is a nine port Fast Ethernet switch with eight auto-negotiating 10Base-T/100Base-TX shielded twisted pair RJ45 ports and one 100Base-FX(SC) fiber port. The switch features include:

- ❑ IEEE 802.3, IEEE 802.3u and IEEE 802.3x compliant
- ❑ Store and forward switching at full-wire speed (14,880 packets per second on 10 Mbps ports and 148,800 packets per second on 100 Mbps ports)
- ❑ Support for up to 8K MAC addresses
- ❑ Link/Activity, Transmission speed, and Full-/Half-duplex LEDs for each port
- ❑ Eight auto-negotiating 10/100 Mbps RJ45 ports that can be connected/disconnected without powering off the switch.
- ❑ Media-dependent interface (MDI/MDI-X) connectors for Port 8 for user selectable hub or PC connection
- ❑ One full-duplex 100Base-FX port
- ❑ Internal power supply (100-120/200-240 VAC)

This switch complements the other Allied Telesyn Fast Ethernet products, providing simple, cost-effective solutions for switching between 10 and 100 Mbps. Easy to install, simply plug in the power cord and connect your station ports.

Note

For definitions of technical terms associated with Allied Telesyn's products, refer to the Glossary on Allied Telesyn's website at www.alliedtelesyn.com.

Figure 1 shows the switch front panel.



Figure 1 AT-FS709FC Front Panel

Description

This section includes:

- ☐ Connectors
- ☐ LEDs
- ☐ MDI/MDI-X Port 8
- ☐ Power Supply
- ☐ Auto-negotiation

Connectors

Table 1 lists and defines the type of connectors available and their function.

Table 1 Connector Types on Switch

Connector Type	Function
Ports 1 through 7 10/100Base-TX, RJ45 connectors	Connect to a high-performance workstation, server or hub
Port 8 MDI/MDI-X 10/100Base-TX, RJ45 connector	MDI Port: Cascade or uplink port MDI-X: Connect to a high-performance workstation, server or hub
Port 9 100Base-FX, SC connectors	Full-duplex cascade or uplink port to server or switch

LEDs

Figure 2 illustrates the switch front panel LEDs. Table 2 lists and describes these LEDs.

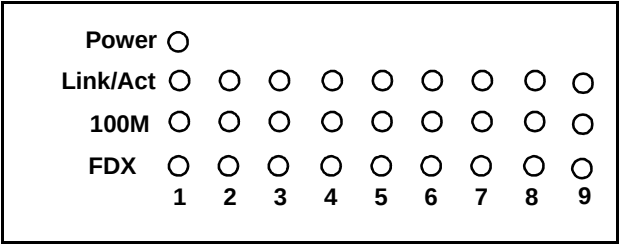


Figure 2 A Close Up of the Front Panel LEDs

Table 2 LED Status

LEDs	Color	Description
LINK/ACTIVITY	Green	On indicates a valid physical link on the port. Blinking indicates data is being transmitted. Off means no link.
100M	Green	On means the bandwidth is 100 Mbps. Off means the bandwidth is 10 Mbps. (Off does not apply to Port 9.)
FDX (FULL-DUPLEX)	Green	On indicates full-duplex transmission mode. Off indicates half-duplex transmission mode. (Off does not apply to Port 9.)
POWER	Green	On means there is power to the switch. Off means there is no power to the switch.

MDI/MDI-X Port 8

Port 8 is associated with the MDI function.

Port 8 gives you the flexibility of using a straight-through cable to connect to a hub or another switch (Port 8 MDI), or to any DTE device (Port 8 MDI-X), such as an end station or a server.

Note

Use only one Port 8, either Port 8 MDI or Port 8 MDI-X.

Table 3 MDI Ports

Port	Use
Port 8 MDI	To connect a hub or another switch to the port
Port 8 MDI-X	To connect a DTE to the port

Power Supply

The switch uses a universal internal switching power supply with 100 to 120 VAC, or 200 to 240 VAC, 50/60 Hz input rating.

Auto-Negotiation

Auto-negotiation is an optional function of the IEEE 802.3u Fast Ethernet standard that enables devices to automatically exchange information over a link about their speed and duplex abilities. This allows the devices to perform automatic configurations to achieve the maximum common level of operation over a link.

The eight (RJ45) 10Base-T/100Base-TX ports on the switch use auto-negotiation for speed and duplex settings. This means these ports automatically adapt to the wire speed (10 or 100 Mbps) and duplex transmission (half- or full-duplex) supported by the link without user reconfiguration. Port 9 (fiber) is a 100Base-FX port that always operates at 100 Mbps, and full-duplex transmission mode.

Chapter 2

Installation

Before you Proceed

Before installing the switch, make sure you read “Electrical Safety and Installation Requirements” on page 15.

Verifying Package Contents

Make sure that the package includes the following items:

- ☐ One AT-FS709FC switch
- ☐ One AC power cord (for the U.S., Continental Europe, and the U.K. versions only)
- ☐ Two rackmounting brackets with screws
- ☐ Four self-adhesive rubber feet
- ☐ Warranty card
- ☐ This installation guide

If any of the above items is damaged or missing, contact your representative immediately.

Site Requirements

Make sure you observe the following site requirements:

- ☐ Make sure you are placing the switch in a dust-free and moisture-free environment.
- ☐ Do not block ventilation openings on the unit.
- ☐ Make sure that the switch's power is accessible and cables can be connected easily.
- ☐ Cabling should be away from sources of electrical noise such as radios, transmitters, broadband amplifiers, power lines and fluorescent fixtures.
- ☐ Do not place objects on top of the switch.
- ☐ Use dedicated power circuits or power conditioners to supply power to the switch.

Desktop Installation

Place the switch on the desktop using these steps, or perform the steps “Rackmount Installation” on page 7. The AT-FS709FC can be stacked two or more devices high on the desktop as described in the steps below.

1. Attach the four self-adhesive rubber feet to the bottom of the switch, positioning them in the indentations.
2. Place the switch on a flat, level surface where power is easily accessible.
3. To stack more than one switch, repeat step 1 for the additional switches before stacking them. The rubber feet cushion the switch against shock and vibration and provide space between each switch for ventilation.
4. Connect power: attach one end of the power cord to the back of the switch and the other end to the power source.

Note

The switch performs a self-diagnostic test upon power on, and takes about 20 seconds to complete.

5. Make sure the Power LED on the front panel lights green.

Note

Do not plug a phone jack connector into any RJ45 port. This may damage the switch. Use only twisted-pair cables with RJ45 connectors that conform with FCC standards.

6. Attach the data cables and observe normal operation as indicated by the port LEDs. Use only one Port 8, either Port 8 MDI or Port 8 MDI-X.
7. Attach fiber optic cable with SC connectors to Port 9 and observe LEDs for normal operation.

Note

Auto-negotiation for transmission mode supports full-duplex only if the connected device also negotiates for full-duplex transmission mode. Port 9 supports full-duplex operation only

You are finished with desktop installation.

Rackmount Installation

You will need a Phillips screwdriver for this installation.

Caution

Do not use power tools to perform this installation.

1. If previously attached, remove the rubber feet and all cables and power cord from the switch.
2. Attach the rackmounting brackets to each side of the switch, using the screws provided.
3. Attach the power cord to the back of the switch.
4. Position the switch in a standard 19-inch rack and secure the switch's brackets to the rack using the 4 large screws provided.
5. Plug the power cord into the power receptacle. Make sure the Power LED on the front panel lights green.

Note

Do not plug a phone jack connector into any RJ45 port. This may damage the switch. Use only twisted-pair cables with RJ45 connectors that conform with FCC standards.

6. Attach the data cables and observe normal operation as indicated by the port LEDs. Use only one Port 8, either Port 8 MDI or Port 8 MDI-X. For typical configuration information, refer to “Cascade Configuration” on page 9.
7. Attach fiber optic cable with SC connectors to Port 9 and observe LEDs for normal operation.

Note

Auto-negotiation for transmission mode supports full-duplex only if the connected device also negotiates for full-duplex transmission mode. Port 9 supports full-duplex operation only.

You are finished with rackmount installation.

Standalone Configuration

In a standalone configuration, the switch supports up to 9 network nodes. Figure 3 shows a switch connected to end stations and a server. The basic physical connection for this configuration requires connecting one of the switch's ports to the adapter card of an end station.

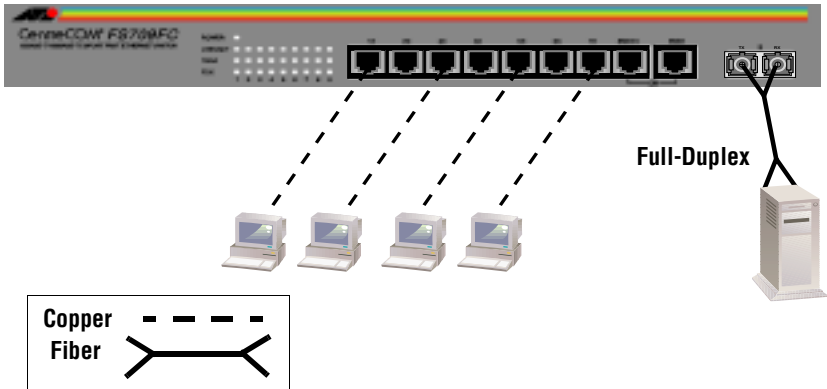


Figure 3 AT-FS709FC Connected to End Stations

Cascade Configuration

Cascading means that two switches can be connected together using any of the switch ports, provided you maintain the same media type. Two switches can be cascaded to support multiple network port connections. Cable length to the nodes must follow the 100Base-TX cabling specifications.

To cascade installed switches, do the following:

Note

When cascading switches, you must use the same media type from port to port.

1. If you intend to use Port 8, use Port 8 MDI.
2. Use a straight-through UTP RJ45 cable to connect the first switch to the second switch. See Figure4.

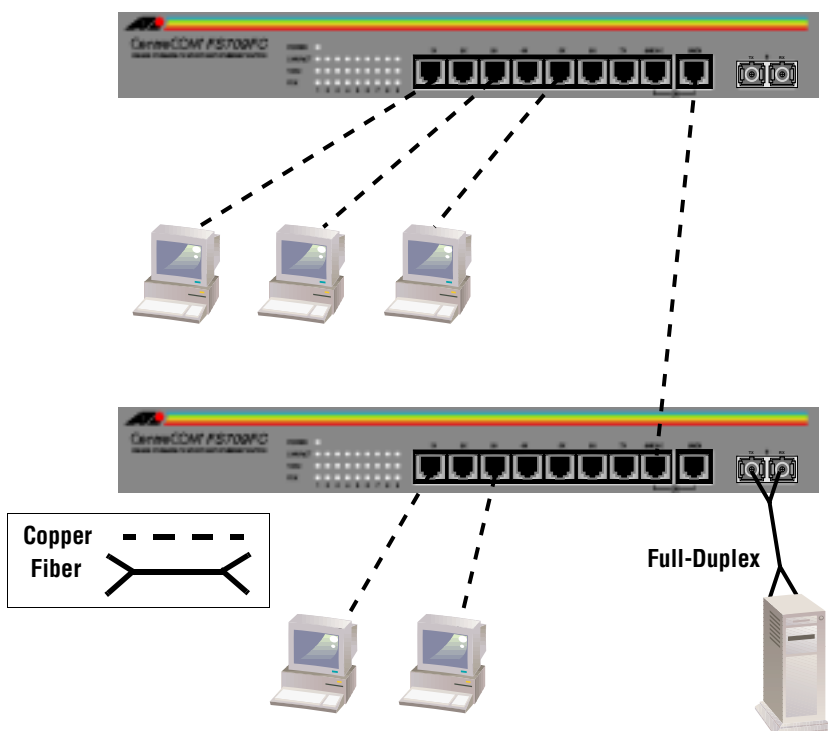


Figure 4 Cascading Switches

3. Check the front panels to make sure that the Link/Activity LED lights.

Uplink Configuration

For 100 Mbps connection to the backbone, use Port 9. Figure5 illustrates how this switch can be used as a full-duplex uplink to the backbone in a typical office complex using Fiber cable.

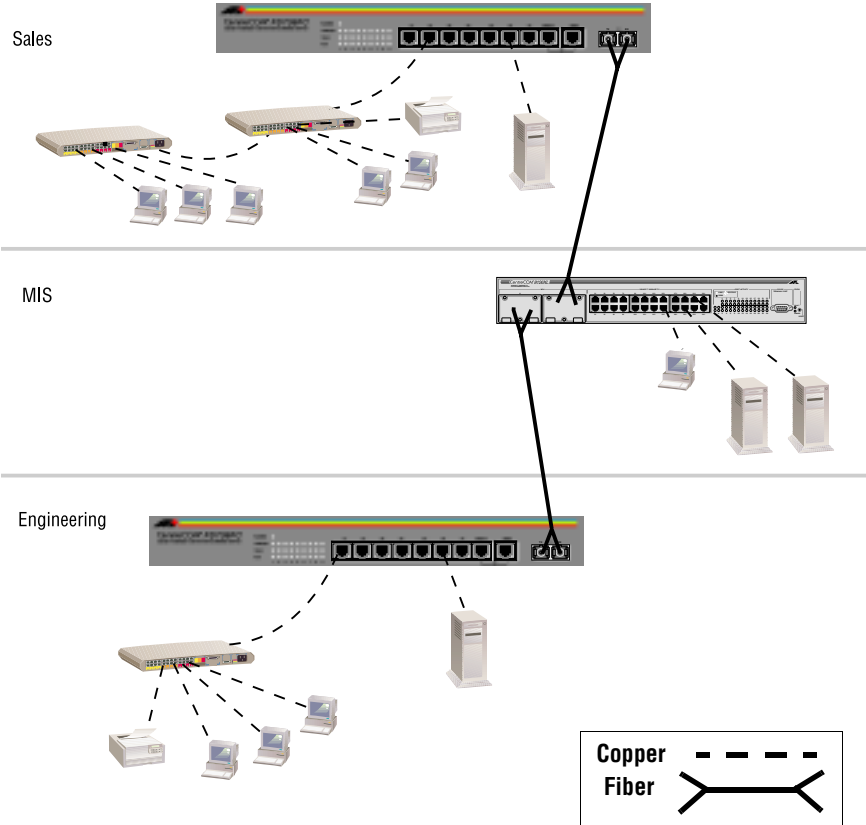


Figure 5 AT-FS709FC Switches Connected to the Backbone

Chapter 3

Troubleshooting

This chapter describes the procedures to test and troubleshoot the switches.

Connectivity Testing

In the following procedure, you will test each port for a valid connection and to confirm the correct operation of the network.

1. Start with Ports 1 and 2. Connect these two ports of a single switch to two nodes or workstations and turn on the switch power.
2. Wait approximately 1-3 seconds for the auto-negotiation process to complete after power-on or after the cables are reconnected.
3. Make sure the Link/Activity and other LEDs of both switch ports are lit.
4. After confirming that Port 1 and Port 2 are operational, reconnect one of the nodes/workstations to another port, then repeat this connectivity test with the switch's remaining ports. Continue to verify the connection in each port by checking the Link/Activity and other activity LEDs.

Note

Use Port 8 MDI-X connected to a workstation. Use Port 8 MDI connected to a hub. Use only one Port 8 at a time.

Problem Solving

Is the unit receiving power?

Check the Power LED on the front of the switch. This green LED should be lit.

Note

The switch performs a self-diagnostic test upon power on, and takes about 20 seconds to complete.

If the Power LED is not on, check both ends of the power cord or adapter. Make sure the power cord or adapter is plugged into a functioning wall outlet and that it is properly inserted into the switch's connector on the back of the unit.

Is the Link/Activity LED lit?

The Link LED on the front of the switch lights when a proper connection between the corresponding 10/100Base-TX port and the equipment connected to it is established. If this LED is not lit, check for the problems listed below and make corrections as necessary.

1. Problem 1:

The cable has been cut, damaged, or it is the wrong type of cable.

☐ Solution 1:

- Try making the connection with a different cable. Be sure you are using an undamaged cable of the correct type.

2. Problem 2:

Connected equipment is not turned on or not operating properly.

☐ Solution 2:

- Check the connected equipment (computer, another switch, etc.) and turn on the power.

3. Problem 3:

Port 8 does not work.

☐ Solution 3:

- Connect to only one Port 8, either Port 8 MDI or Port 8 MDI-X. Make sure you are connected to the correct Port 8.

4. Problem 4:

There is data loss between the switch and one of the connected network nodes.

❑ Solution 4:

- Make sure that the distance between the switch and the connected network device is no greater than 100 m (328 ft).
- Make sure you are using Category 5 cable.

Appendix A

Electrical Safety and Installation Requirements

STANDARDS: This product meets the following standards.

U.S. Federal Communications Commission

DECLARATION OF CONFORMITY

Manufacture Name:

Allied Telesyn International, Corp.

Manufacture Address:

960 Stewart Drive, Suite B
Sunnyvale, CA 94086 USA

Manufacture Telephone:

408-730-0950

Declares that the product:

Fast Ethernet Unmanaged Switch

Model Number:

AT-FS709FC

This product complies with FCC Part 15B, Class B Limits:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RADIATED ENERGY

Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. The user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and the receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

15

Canadian Department of Communications

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RADIATED ENERGY

RFI Emission EN55022 Class B

WARNING: This product requires shielded cables to comply with Class B emission limits. If not used with shielded cables, this product may cause radio interference in which case the user may be required to take adequate measures.

Immunity EN50082-1

Electrical Safety TUV-EN60950, UL1950, CSA 950

Laser EN60825

SAFETY



ELECTRICAL NOTICES

WARNING: ELECTRIC SHOCK HAZARD

To prevent ELECTRIC shock, do not remove cover. No user-serviceable parts inside. This unit contains HAZARDOUS VOLTAGES and should only be opened by a trained and qualified technician. To avoid the possibility of ELECTRIC SHOCK disconnect electric power to the product before connecting or disconnecting the LAN cables.

This is a "CLASS 1 LED PRODUCT"



LIGHTNING DANGER

DANGER: DO NOT WORK on equipment or CABLES during periods of LIGHTNING ACTIVITY.



CAUTION: POWER CORD IS USED AS A DISCONNECTION DEVICE. TO DE-ENERGISE EQUIPMENT disconnect the power cord.

INSTALLATION

ELECTRICAL - AUTO VOLTAGE ADJUSTMENT

This product will automatically adjust to any voltage between the ranges shown on the label.

ELECTRICAL - TYPE CLASS 1 EQUIPMENT

THIS EQUIPMENT MUST BE EARTHED. Power plug must be connected to a properly wired earth ground socket outlet. An improperly wired socket outlet could place hazardous voltages on accessible metal parts.

ELECTRICAL - CORD NOTICE

Use power cord, maximum 4.5 meters long, rated 5 amp minimum, 250V, made of <HAR> cordage molded IEC 320 connector on one end and on the other end a plug approved by the country of end use.



CAUTION: Air vents must not be blocked and must have free access to the room ambient air for cooling.

OPERATING TEMPERATURE

This product is designed for a maximum ambient temperature of 40 degrees C.

ALL COUNTRIES: Install product in accordance with local and National Electrical Codes.

NORMEN: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

Hochfrequenzstörung

EN55022 Klasse B

WARNING: Dieses Produkt muß mit entstörten Kabeln versehen sein, damit es den Emissionsgrenzen der Klasse B entspricht. Wenn dieses Produkt nicht mit entstörten Kabeln verwendet wird, könnte es Funkstörungen hervorrufen; der Anwender müßte in diesem Fall angemessene Gegenmaßnahmen ergreifen.

Störsicherheit

EN50082-1

Elektrische Sicherheit

TUV-EN60950, UL1950, CSA 950

Laser

EN60825



SICHERHEIT

ACHTUNG: GEFÄHRliche SPANNUNG

Das Gehäuse nicht öffnen. Das Gerät enthält keine vom Benutzer wartbaren Teile. Das Gerät steht unter Hochspannung und darf nur von qualifiziertem technischem Personal geöffnet werden. Vor Anschluß der LAN-Kabel, Gerät vom Netz trennen.

Das ist ein "LED Produkt der Klasse 1"



GEFAHR DURCH BLITZSCHLAG

GEFAHR: Keine Arbeiten am Gerät oder an den Kabeln während eines Gewitters ausführen.



VORSICHT: DAS NETZKABEL DIENT ZUM TRENNEN DER STROMVERSORGUNG. ZUR TRENNUNG VOM NETZ, KABEL AUS DER STECKDOSE ZIEHEN.

INSTALLATION

AUTOMATISCHE SPANNUNGSEINSTELLUNG

Dieses Gerät stellt sich automatisch auf die auf dem Etikett aufgeführten Spannungswerte ein.

GERÄTE DER KLASSE 1

DIESE GERÄTE MÜSSEN GEERDET SEIN. Der Netzstecker darf nur mit einer vorschriftsmäßig geerdeten Steckdose verbunden werden. Ein unvorschriftsmäßiger Anschluß kann die Metallteile des Gehäuses unter gefährliche elektrische Spannungen setzen.

NETZKABEL

Das Netzkabel sollte eine maximale Länge von 4,5 Metern, einen Nennwert von mindestens 5 A und 250 V haben, aus HAR-Material hergestellt und mit einer gepreßten, IEC320 entsprechenden, Anschlußverbindung an einem Ende, und am anderen Ende mit einem im Land des Endverbrauchers geprüften Stecker ausgestattet sein.



VORSICHT

Die Entlüftungsöffnungen dürfen nicht versperrt sein und müssen zum Kühlen freien Zugang zur Raumluft haben.

BETRIEBSTEMPERATUR

Dieses Produkt wurde für den Betrieb in einer Umgebungstemperatur von nicht mehr als 40° C entworfen.

ALLE LÄNDER: Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.

STANDARDS: Dette produkt tilfredsstiller de følgende standarder.

Radiofrekvens forstyrrelsesemission EN55022 Klasse B

ADVARSEL: Der skal bruges skærmbkabler med dette produkt for at opfylde Klasse B emissionsgrænser. Hvis skærmbkabler ikke bruges, kan dette produkt muligvis forårsage radio forstyrrelse. Bliver dette tilfældet, påkræves brugeren muligvis at tage tilstrækkelige foranstaltninger.

Immunitet EN50082-1

Elektrisk sikkerhed TUV-EN60950, UL1950, CSA 950

Laser EN60825

SIKKERHED



ELEKTRISKE FORHOLDSREGLER ADVARSEL: RISIKO FOR ELEKTRISK STØD For at forebygge ELEKTRISK stød, undlad at åbne apparatet. Der er ingen indre dele, der kan repareres af brugeren. Denne enhed indeholder LIVSFARLIGE STRØMSPÆNDINGER og bør kun åbnes af en uddannet og kvalificeret tekniker. For at undgå risiko for ELEKTRISK STØD, afbrydes den elektriske strøm til produktet, før LAN-kablerne monteres eller afmonteres.

Dette er et "PRODUKT UNDER KLASSE 1 LED"



FARE UNDER UVEJR

FARE: UNDLAD at arbejde på udstyr eller KABLER i perioder med LYNAKTIVITET.



ADVARSEL: DEN STRØMFØRENDE LEDNING BRUGES TIL AT AFBRYDE STRØMMEN. SKAL STRØMMEN TIL APPARATET AFBRYDES, tages ledningen ud af stikket.

INSTALLATION

ELEKTRISK - AUTOMATISK SPÆNDINGSREGULERING

Dette apparat vil automatisk tilpasse sig enhver spænding indenfor de værdier, der er angivet på etiketten.

ELEKTRISK - KLASSE 1-UDSTYR

DETTE UDSYR KRÆVER JORDFORBINDELSE. Stikket skal være forbundet med en korrekt installeret jordforbunden stikkontakt. En ukorrekt installeret stikkontakt kan sætte livsfarlig spænding til tilgængelige metaldele.

ELEKTRISK - LEDNING

Anvend ledning af maksimum 4,5 meters længde, med en kapacitet på minimum 5 amp., 250 v, bestående af en IEC 320 connector med indstøbt <HAR> ledning i den ene ende og et stik i den anden ende, der er godkendt af myndighederne i brugerlandet.

ADVARSEL: Ventilationsåbninger må ikke blokeres og skal have fri adgang til den omgivende luft i rummet for afkøling.



BETJENINGSTEMPERATUR

Dette apparat er konstrueret til en omgivende temperatur på maksimum 40 grader C.

ALLE LANDE: Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.

EISEN: Dit product voldoet aan de volgende eisen.

RFI Emissie

EN55022 Klasse B

WAARSCHUWING: Dit product vereist beschermende kabels in overeenstemming met de limieten van Klasse B emissie. Als het niet met beschermende kabels wordt gebruikt, kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan worden om gepaste maatregelen te nemen.

Immunititeit

EN50082-1

Electrische Veiligheid

TUV-EN60950, UL1950, CSA 950

Laser

EN60825

**VEILIGHEID****WAARSCHUWINGEN MET BETREKKING TOT ELEKTRICITEIT WAARSCHUWING: GEVAAR VOOR ELEKTRISCHE SCHOKKEN**

Verwijder het deksel niet, teneinde ELEKTRISCHE schokken te voorkomen. Binnenin bevinden zich geen onderdelen die door de gebruiker onderhouden kunnen worden. Dit toestel staat onder GEVAARLIJKE SPANNING en mag alleen worden geopend door een daartoe opgeleide en bevoegde technicus. Om het gevaar op ELEKTRISCHE SCHOKKEN te vermijden, moet u het toestel van de stroombron ontkoppelen alvorens de LAN-kabels te koppelen of ontkoppelen.



Dit is een "KLASSE 1 LED-PRODUKT"



GEVAAR VOOR BLIKSEMINSLAG GEVAAR: NIET aan toestellen of KABELS WERKEN bij BLIKSEM.

WAARSCHUWING: HET TOESTEL WORDT UITGESCHAKELD DOOR DE STROOMKABEL TE ONTKOPPELEN. OM HET TOESTEL STROOMLOOS TE MAKEN: de stroomkabel ontkoppelen.

INSTALLATIE**ELEKTRISCH:** AUTOMATISCHE AANPASSING VAN DE SPANNING

Dit toestel past zich automatisch aan elke spanning aan, tussen de op het label vermelde waarden.

ELEKTRISCHE TOESTELLEN VAN KLASSE 1

DIT TOESTEL MOET GEAARD WORDEN. De stekker moet aangesloten zijn op een juist geaarde contactdoos. Een onjuist geaarde contactdoos kan de metalen onderdelen waarmee de gebruiker eventueel in aanraking komt onder gevaarlijke spanning stellen.

ELEKTRISCHE SNOEREN

Gebruik een elektrisch snoer, maximum 4,5 meter lang, berekend voor ten minste 6 ampère, 250 V, uit HAR vervaardigd, met aan het ene uiteinde een gevormd IEC 320 aansluitstuk en aan het andere uiteinde een stekker die goedgekeurd is door het land waar het toestel gebruikt zal worden.



OPGELET: De ventilatiegaten mogen niet worden gesperd en moeten de omgevingslucht ongehinderd toelaten voor afkoeling.

BEDRIJFSTEMPERATUUR

De omgevingstemperatuur voor dit produkt mag niet meer bedragen dan 40 graden Celsius.

ALLE LANDEN: het toestel installeren overeenkomstig de lokale en nationale elektrische voorschriften.

NORMES: ce produit est conforme aux normes de suivantes :

Emission d'interférences radioélectriques EN55022 Classe B

MISE EN GARDE: conformément aux limites d'émission de la Classe B, ce produit doit être utilisé avec des câbles blindés. Si ce produit n'est pas utilisé avec des câbles blindés, il peut émettre des interférences radioélectriques. Auquel cas, l'utilisateur devra prendre les mesures adéquates.

Immunité EN50082 - 1

Sécurité électrique TUV-EN60950, UL1950, CSA 950

Laser EN60825

SÉCURITÉ



INFORMATION SUR LES RISQUES ÉLECTRIQUES AVERTISSEMENT :

DANGER D'ÉLECTROCUTION Pour éviter toute ÉLECTROCUTION, ne pas ôter le revêtement protecteur du matériel. Ce matériel ne contient aucun élément réparable par l'utilisateur. Il comprend des TENSIONS DANGEREUSES et ne doit être ouvert que par un technicien dûment qualifié. Pour éviter tout risque d'ÉLECTROCUTION, débrancher le matériel avant de connecter ou de déconnecter les câbles LAN.

Ce matériel est un "PRODUIT À DIODE ÉLECTROLUMINESCENTE DE CLASSE 1"



DANGER DE Foudre DANGER: NE PAS MANIER le matériel ou les CÂBLES lors d'activité orageuse.



ATTENTION: LE CORDON D'ALIMENTATION SERT DE MISE HORS CIRCUIT. POUR COUPER L'ALIMENTATION DU MATÉRIEL, débrancher le cordon.

INSTALLATION

RÉGLAGE DE TENSION AUTOMATIQUE ÉLECTRIQUE

Ce matériel peut s'ajuster automatiquement sur n'importe quelle tension comprise dans la plage indiquée sur l'étiquette.

ÉQUIPEMENT DE CLASSE 1 ÉLECTRIQUE CE MATÉRIEL DOIT ÊTRE MIS A LA TERRE. La prise de courant doit être branchée dans une prise femelle correctement mise à la terre car des tensions dangereuses risqueraient d'atteindre les pièces métalliques accessibles à l'utilisateur.

INFORMATION SUR LE CORDON ÉLECTRIQUE

Utiliser un cordon secteur de 4.5 mètres de long maximum, calibré à 5 ampères minimum, 250V, fabriqué en câblage <HAR> avec connecteur IEC 32C moulé à une extrémité, et à l'autre extrémité, une prise de courant mâle répondant aux normes du pays d'utilisation.



ATTENTION: Ne pas bloquer les fentes d'aération, ceci empêcherait l'air ambiant de circuler librement pour le refroidissement.

TEMPÉRATURE DE FONCTIONNEMENT

Ce matériel est capable de tolérer une température ambiante maximum de 40 degrés Celsius.

POUR TOUS PAYS: Installer le matériel conformément aux normes électriques nationales et locales.

STANDARDI : Tämä tuote on seuraavien standardien mukainen.

Radioaaltojen häirintä

EN55022 Luokka B

VAROITUS: Tämä tuote vaatii suojatut kaapelit täyttääkseen B Luokan säteilyrajoitukset. Ellei suojattuja kaapeleita käytetä, tämä laite voi aiheuttaa radioaaltohäiriöitä, missä tapauksessa laitteen käyttäjän on mahdollisesti ryhdyttävä tarpeellisiin toimenpiteisiin.

Kestävyys

EN50082-1

Sähköturvallisuus

TUV-EN60950, UL1950, CSA 950

Laser

EN60825



TURVALLISUUS

SÄHKÖÖN LIITTYVIÄ HUOMAUTUK SIAVAROITUS: SÄHKÖISKUVAARA

Estääksesi SÄHKÖISKUN älä poista kantta. Sisällä ei ole käyttäjän huollettavissa olevia osia. Tämä laite sisältää VAARALLISIA JÄNNITTEITÄ ja sen voi avata vain koulutettu ja pätevä teknikko. Välttääksesi SÄHKÖISKUN mahdollisuuden katkaise sähkövirta tuotteeseen ennen kuin liität tai irrotat paikallisverkon (LAN) kaapelit.

Tämä on "ENSIMMÄISEN LUOKAN VALODIODITUOTE"



SALAMANISKUVAARA

HENGENVAAARA: ÄLÄ TYÖSKENTELE laitteiden tai KAAPELEIDEN KANSSA SALAMOINNIN AIKANA.

HUOMAUTUS: VIRTajohtoa KÄYTETÄÄN VIRRANKATKAISULAITTEENA. VIRTAKATKAISTAAN irrottamalla virtajohto.

ASENNUS

SÄHKÖ - AUTOMAATTINEN JÄNNITTEENSÄÄTÖ

Tämä tuote säätää automaattisesti mihin tahansa jännitteeseen ohjetarrassa annettujen arvojen välillä.

SÄHKÖ - TYYPPILUOKAN 1 LAITTEET

TÄMÄ LAITE TÄYTYY MAADOITTAA. Pistoke täytyy liittää kunnollisesti maadoitettuun pistorasiaan. Virheellisesti johdotettu pistorasia voi altistaa metalliosat vaarallisille jännitteille.

SÄHKÖ - JOHTOON LIITTYVÄ HUOMAUTUS

Käytä seuraavanlaista virtajohtoa: maksimipituus 4,5 metriä, minimiteho 5 ampeeria, 250 V, valmistettu <HAR> -johdostosta, muovattu IEC 320 -liitin toisessa päässä ja käyttömaassa hyväksytty pistoke toisessa päässä.



HUOMAUTUS: Ilmavaihtoreikiä ei pidä tukkia ja niillä täytyy olla vapaa yhteys ympäröivään huoneilmaan, jotta ilmanvaihto tapahtuisi.

KÄYTTÖLÄMPÖTILA

Tämä tuote on suunniteltu ympäröivän ilman maksimilämpötilalle 40° C.

KAIKKI MAAT: Asenna tuote paikallisten ja kansallisten sähköturvallisuusmäärausten mukaisesti.

STANDARD: Questo prodotto è conforme ai seguenti standard.

Emissione RFI (interferenza di radiofrequenza) EN55022 Classe B

AVVERTENZA: questo prodotto richiede cavi schermati per adeguarsi ai limiti di emissione per gli apparecchi di Classe B. Se non viene usato con cavi schermati, questo prodotto potrebbe causare radio interferenza, nel qual caso potrebbe richiedersi all'utente di prendere gli adeguati provvedimenti.

Immunità EN50082-1

Sicurezza elettrica TUV-EN60950, UL1950, CSA 950

Laser EN60825



NORME DI SICUREZZA

AVVERTENZE ELETTRICHE ATTENZIONE: PERICOLO DI SCOSSE ELETTRICHE Per evitare SCOSSE ELETTRICHE non asportare il coperchio. Le componenti interne non sono riparabili dall'utente. Questa unità ha TENSIONI PERICOLOSE e va aperta solamente da un tecnico specializzato e qualificato. Per evitare ogni possibilità di SCOSSE ELETTRICHE, interrompere l'alimentazione del dispositivo prima di collegare o staccare i cavi LAN.

Questo è un "PRODOTTO CON LED DI CLASSE 1"



PERICOLO DI FULMINI



PERICOLO: NON LAVORARE sul dispositivo o sui CAVI durante PRECIPITAZIONI TEMPORALESCHES.

ATTENZIONE: IL CAVO DI ALIMENTAZIONE È USATO COME DISPOSITIVO DI DISATTIVAZIONE. PER TOGLIERE LA CORRENTE AL DISPOSITIVO staccare il cavo di alimentazione.

INSTALLAZIONE

ELETTRICITÀ - REGOLAZIONE AUTOMATICA DELLA TENSIONE

Questo prodotto regolerà automaticamente la tensione ad un valore compreso nella gamma indicata sull'etichetta.

ELETTRICITÀ - DISPOSITIVI DI CLASSE 1

QUESTO DISPOSITIVO DEVE AVERE LA MESSA A TERRA. La spina deve essere inserita in una presa di corrente specificamente dotata di messa a terra. Una presa non cablata in maniera corretta rischia di scaricare una tensione pericolosa su parti metalliche accessibili.

ELETTRICITÀ - AVVERTENZA SUL CAVO

Usare un cavo della lunghezza massima di metri 4,5, con capacità minima di 5 A, 250V, di filo <HAR>, dotato di connettore stampato IEC 320 ad un'estremità e di spina approvata dal paese di destinazione all'altra.



ATTENZIONE: le prese d'aria non vanno ostruite e devono consentire il libero ricircolo dell'aria ambiente per il raffreddamento.

TEMPERATURA DI FUNZIONAMENTO

Questo prodotto è concepito per una temperatura ambientale massima di 40 gradi centigradi.

TUTTI I PAESI: installare il prodotto in conformità delle vigenti normative elettriche nazionali.

SIKKERHETSNORMER: Dette produktet tilfredsstiller følgende sikkerhetsnormer.

RFI stråling

EN55022 Klasse B

ADVARSEL: Det må benyttes isolerte kabler med dette produktet for å tilfredsstille Klasse B strålingsgrenser. Hvis ikke kan dette produktet forårsake radioforstyrrelse. Hvis dette skjer, må brukeren ta de nødvendige forholdsregler.

Immunitet

EN50082-1

Elektrisk sikkerhet

TUV-EN60950, UL1950, CSA 950

Laser

EN60825

SIKKERHE



ELEKTRISITETADVARSEL: FARE FOR ELEKTRISK SJOKK

For å unngå ELEKTRISK sjokk, må dekslet ikke tas av. Det finnes ingen deler som brukeren kan reparere på innsiden. Denne enheten inneholder FARLIGE SPENNINGER, og må kun åpnes av en faglig kvalifisert tekniker. For å unngå ELEKTRISK SJOKK må den elektriske strømmen til produktet være avslått før LAN-kablene til- eller frakobles.

Dette er et "KLASSE 1 LED PRODUKT"



FARE FOR LYNNEDSLAG FARE: ARBEID IKKE på utstyr eller KABLER i TORDENVÆR.



FORSIKTIG: STRØMLEDNINGEN BRUKES TIL Å FRAKOBLE UTSTYRET. FOR Å DEAKTIVISERE UTSTYRET, må strømforsyningen kobles fra.

INSTALLASJON

ELEKTRISK - AUTO SPENNINGSTILPASNING

Dette produktet vil automatisk bli tilpasset hvilken som helst strømspenning i de områdene som vises på etiketten.

ELEKTRISK - TYPE 1- KLASSE UTSTYR

DETTE UTSTYRET MÅ JORDES. Strømkontakten må være tilkople en korrekt jordnet kontakt. En kontakt som ikke er korrekt jordnet kan føre til farlig spenninger i lett tilgjengelige metalldele.

ELEKTRISK - MEDDELELSE OM LEDNINGER

Bruk en strømledning av maksimalt 4.5 m. i lengde, godkjent for minst av 5 amp, 250V, fremstilt av <HAR> ledning IEC 320 koplingsstykke i den ene enden, og i den andre enden en plugg som er blitt godkjent i brukerlandet.



FORSIKTIG: Lufteventilene må ikke blokkeres, og må ha fri tilgang til luft med romtemperatur for avkjøling.

DRIFTSTEMPERATUR

Dette produktet er konstruert for bruk i maksimum romtemperatur på 40 grader celsius.

ALLE LAND: Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.

PADRÕES: Este produto atende aos seguintes padrões.

Emissão de interferência de radiofrequência EN55022 Classe B

AVISO: Este produto requer cabos protegidos a fim de obedecer aos limites de emissão da Classe B. Se não for utilizado com os cabos protegidos, este produto pode causar interferência na radiorrecepção e, neste caso, pode ser necessário que o utente tome as medidas adequadas.

Imunidade EN50082-1

Segurança Eléctrica TUV-EN60950, UL1950, CSA 950

Laser EN60825

SEGURANÇA



AVISOS SOBRE CARACTERÍSTICAS ELÉTRICAS

ATENÇÃO: PERIGO DE CHOQUE ELÉTRICO Para evitar CHOQUE ELÉTRICO, não retire a tampa. Não contém peças que possam ser consertadas pelo usuário. Este aparelho contém VOLTAGENS PERIGOSAS e só deve ser aberto por um técnico qualificado e treinado. Para evitar a possibilidade de CHOQUE ELÉTRICO, desconecte o aparelho da fonte de energia elétrica antes de conectar e desconectar os cabos da LAN.

Este é um “PRODUTO CLASSE 1 LED”



PERIGO DE CHOQUE CAUSADO POR RAIOS

PERIGO: NÃO TRABALHE no equipamento ou nos CABOS durante períodos suscetíveis a QUEDAS DE RAIOS.



CAUTION: O CABO DE ALIMENTAÇÃO É UTILIZADO COMO UM DISPOSITIVO DE DESCONEXÃO. PARA DESELETRIFICAR O EQUIPAMENTO, desconecte o cabo de ALIMENTAÇÃO.

INSTALAÇÃO

ELÉTRICO - AJUSTE AUTOMÁTICO DE VOLTAGEM

Este produto ajustar-se-á automaticamente a qualquer voltagem que esteja dentro dos limites indicados no rótulo.

ELÉTRICO - EQUIPAMENTOS DO TIPO CLASSE 1

DEVE SER FEITA LIGAÇÃO DE FIO TERRA PARA ESTE EQUIPAMENTO. O plugue de alimentação deve ser conectado a uma tomada com adequada ligação de fio terra. Tomadas sem adequada ligação de fio terra podem transmitir voltagens perigosas a peças metálicas expostas.

ELÉTRICO - AVISO SOBRE O CABO DE ALIMENTAÇÃO

Use cabos de alimentação com comprimento máximo de 4,5 metros, com uma capacidade indicada mínima de 5 amp e 250 V, fabricado de material para cabo <HAR> com conector moldado IEC 320 em uma extremidade e, na outra extremidade, um plugue aprovado para uso no país em questão.



CUIDADO: As aberturas de ventilação não devem ser bloqueadas e devem ter acesso livre ao ar ambiente para arrefecimento adequado do aparelho.

TEMPERATURA DE FUNCIONAMENTO

Este produto foi projetado para uma temperatura ambiente máxima de 40 graus centígrados.

TODOS OS PAÍSES: Instale o produto de acordo com as normas nacionais e locais para instalações elétricas.

ESTÁNDARES: Este producto cumple con los siguientes estándares.

Emissão RFI

EN55022 Clase B

ADVERTENCIA: este producto requiere de cables armados para cumplir con los límites de emisión de Clase B. Si no se usa con cables armados, este producto puede causar radiointerferencias, en cuyo caso, puede requerirse del usuario que tome las medidas que sean convenientes al respecto.

Inmunidad

EN50082-1

Seguridad eléctrica

TUV-EN60950, UL1950, CSA 950

Laser

EN60825



SEGURIDAD

AVISOS ELECTRICOS ADVERTENCIA: PELIGRO DE ELECTROCHOQUE

Para evitar un ELECTROCHOQUE, no quite la tapa. No hay ningún componente en el interior al cual puede prestar servicio el usuario. Esta unidad contiene VOLTAJES PELIGROSOS y sólo deberá abrirla un técnico entrenado y calificado. Para evitar la posibilidad de ELECTROCHOQUE desconecte la corriente eléctrica que llega al producto antes de conectar o desconectar los cables LAN.

Este es un "PRODUCTO DE DIODO LUMINISCENTE (LED) CLASE 1"



PELIGRO DE RAYOS PELIGRO: NO REALICE NINGUN TIPO DE TRABAJO O CONEXION en los equipos o en LOS CABLES durante TORMENTAS ELECTRICAS.



ATENCION: EL CABLE DE ALIMENTACION SE USA COMO UN DISPOSITIVO DE DESCONEXION. PARA DESACTIVAR EL EQUIPO, desconecte el cable de alimentación.

INSTALACION

ELECTRICO - AUTO-AJUSTE DE TENSION

Este producto se ajustará automáticamente a cualquier tensión entre los valores máximos y mínimos indicados en la etiqueta.

ELECTRICO - EQUIPO DEL TIPO CLASE 1

ESTE EQUIPO TIENE QUE TENER CONEXION A TIERRA. El cable tiene que conectarse a un enchufe a tierra debidamente instalado. Un enchufe que no está correctamente instalado podría ocasionar tensiones peligrosas en las partes metálicas que están expuestas.

ELECTRICO - ADVERTENCIA SOBRE EL CABLE

Use un cable eléctrico con un máximo de 4,5 metros de largo, con una capacidad mínima de 5 amperios, 250 V, hecho de cable <HAR>, con el conector moldeado IEC 320 en un extremo y con un enchufe que está aprobado por el país de uso final en el otro.



ATENCIÓN: Las aberturas para ventilación no deberán bloquearse y deberán tener acceso libre al aire ambiental de la sala para su enfriamiento.

TEMPERATURA REQUERIDA PARA LA OPERACIÓN

Este producto está diseñado para una temperatura ambiental máxima de 40 grados C.

PARA TODOS LOS PAÍSES: Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.

STANDARDER: Denna produkt uppfyller följande standarder.

Radiostörning

EN55022 Klass B

WARNING: Skärmkabel bör användas med denna produkt för att uppfylla kraven gällande radiostörningar enligt Klass B. Om ingen skärmkabel används med denna produkt, kan radiostörningar uppstå, vilket kan tvinga användaren till att vidta erforderliga åtgärder.

Immunitet

EN50082-1

Elsäkerhet

TUV-EN60950, UL1950, CSA 950

Laser

EN60825



SÄKERHET

TILLKÄNNAGIVANDEN BETRÄFFANDE ELEKTRICITETSRIK: RISK FÖR ELEKTRISK STÖT För att undvika ELEKTRISK stöt, ta ej av locket. Det finns inga delar inuti som behöve underhållas. Denna apparat är under HÖGSPÄNNING och får endast öppnas av en utbildad kvalificerad tekniker. För att undvika ELEKTRISK STÖT, koppla ifrån produktens strömanslutning innan LAN-kablarna ansluts eller kopplas ur.

Detta är en "KLASS1 LYSDIODPRODUKT"



FARA FÖR BLIXTNEDSLAG FARA: ARBETA EJ på utrustningen eller kablarna vid ÅSKVÄDER.



WARNING: NÄTKABELN ANVÄNDS SOM STRÖMBRYTARE FÖR ATT KOPPLA FRÅN STRÖMMEN, dra ur nätkabeln.

INSTALLATION

ELEKTRISKT - AUTOMATISK SPÄNNINGSJUSTERING

Denna produkt justeras automatiskt till alla spänningar inom omfånget som indikeras på produktens märkning.

ELEKTRISKT - TYP KLASS 1 UTRUSTNING

DENNA UTRUSTNING MÅSTE VARA JORDAD. Nätkabeln måste vara ansluten till ett ordentligt jordat uttag. Ett felaktigt uttag kan göra att närliggande metalldelar utsätts för högspänning. Apparaten skall anslutas till jordat uttag, när den ansluts till ett nätverk.

ELEKTRISKT - ANMÄRKNING BETRÄFFANDE KABELN

Använd en kabel med maximum längd 4,5 meter och minimum 5 amp nominal, 250V_{av} <HAR> kabelfabrikat med ett specialutformat IEC 320-kontaktdon i ena änden och i den andra en plugg som godkänts i landet där produkten används.



WARNING: Luftventilerna får ej blockeras och måste ha fri tillgång till omgivande rumsluft för avsalvning.

DRIFTSTEMPERATUR

Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.

ALLA LÄNDER: Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.

Appendix B

Switch Specifications

Physical Characteristics

Chassis dimensions:	L x W x H 13 in x 8.0 in x 1.72 in 330 mm x 203 mm x 44 mm
Weight:	4 lbs (2.0 kg)
Operating temperatures:	0° to 40° C (32° to 104° F)
Storage temperatures:	-20° to 60° C (-40° to 158° F)
Relative humidity:	10% to 80% (operating) 5% to 95% (storage)
Operating altitude:	Up to 10,000 ft (3,048 m)

Safety Agency

CE compliant	
Standard:	IEEE 802.3 10Base-T Ethernet IEEE 802.3u, 100Base-TX Fast Ethernet, IEEE 802.3x, 100Base-FX Fast Ethernet
EMI/RFI:	Complies with FCC Class B, EN55022 Class B
Safety:	Complies with safety standards UL 1950, 3rd Edition, EN60950 and EN60825
Safety approval marks:	UL, CUL
Immunity:	Complies with EN50082-1 Immunity Standard

Cable Specifications

Table 4 IEEE 802.3 and 802.3u Network Specifications

	10Base-T	100Base-TX
Media	Shielded Twisted Pair Category 3 or 5	Shielded Twisted Pair Category 5 only
Topology	Star, Tree	Star, Tree
External Devices	Network Adapter Card, Repeater, Switch	Network Adapter Card, Repeater, Switch
Maximum Segment Length	328 ft (100 m)	328 ft (100 m)

Table 5

	100Base-FC
Media	SC Fiber Optic Cable 50/100 μm , or 62.5/25 μm
Topology	Star, Tree
External Devices	Network Adapter Card, Switch
Maximum Segment Length	1.25 mi (2 Km)

Appendix C

Technical Support Fax Order

Name _____

Company _____

Address _____

City _____ State/Province _____

Zip/Postal Code _____ Country _____

Phone _____ Fax _____

Incident Summary

Model number of Allied Telesyn product I am using _____

Network software products I am using _____

Brief summary of problem _____

Conditions (List the steps that led up to the problem.) _____

Detailed description (Use separate sheet, if necessary) _____

When completed, fax this sheet to the appropriate Allied Telesyn office. Fax numbers can be found on page 35.

Appendix D

AT-FS709FC Installation Feedback

Please tell us what additional information you would like to see discussed in the guide. If there are topics you would like information on that were not covered in the guide, please photocopy this page, answer the questions and fax or mail this form back to Allied Telesyn. The mailing address and fax number are at the bottom of the page. Your comments are valuable when we plan future revisions of the guide.

I found the following the most valuable _____

I would like the following more developed _____

I would find the guide more useful if _____

Please fax or mail your feedback. Fax to 1-408-736-0100. Or mail to:
Allied Telesyn International, Corp.
c/o Technical Communications
960 Stewart Drive, Suite B
Sunnyvale, CA 94086 USA

Appendix E

Where To Find Us

For Technical Support or Service		
Location	Phone	Fax
Americas United States, Canada, Mexico, Central America, South America	1 (800) 428-4835	1 (918) 628-3222
Asia Singapore, Taiwan, Thailand, Malaysia, Indonesia, Korea, Philippines, China, India	(+65) 3815-613	(+65) 3833-830
Australia Australia, New Zealand	(+61) 2-943-5111	(+61) 2-9438-4966
France France, Belgium, Luxembourg, The Netherlands, Middle East, Africa	(+33) 1-60-92-15-32	(+33) 1-69-28-37-49
Germany Germany, Switzerland, Austria, Eastern Europe	(+49) 30-435-900-126	(+49) 30-435-70-650
Hong Kong	(+852) 2-529-4111	(+852) 2 529-7661
Italy Italy, Spain, Portugal, Greece, Turkey, Israel	(+39) 02-416047	(+39) 02-419282
Japan	(+81) 3-3443-5640	(+81) 3-3443-2443
United Kingdom United Kingdom, Denmark, Norway, Sweden, Finland, Iceland	(+44) 1-235-442560	(+44) 1-235-442680
Technical Bulletin Board Service	1 (425) 483-7979	
Technical Support E-mail Address	TS1@alliedtelesyn.com	
CompuServe	Go ALLIED	
FTP Server	Address: ftp.alliedtelesyn.com [lowercase letters] Login: anonymous [lowercase letters] Password: your e-mail address [requested by the server at login]	

For Sales or Corporate Information	
AlliedTelesyn International, Corp. 19015 North Creek Parkway Bothell, WA 98011 Tel: 1 (425) 487-8880 Fax: 1 (425) 489-9191	Allied Telesyn International, Corp. 960 Stewart Drive, Suite B Sunnyvale, CA 94086 Tel: 1 (800) 424-4284 (USA and Canada) Fax: 1 (408) 736-0100
World Wide Web:	http://www.alliedtelesyn.com

